Claims

- 1. A resin modifier (C) obtained by reacting a polyolefin (A) having a group which reacts with a carbodiimide group, and a carbodiimide group-containing compound (B), wherein the content of the carbodiimide group is from 1 to 200 mmol per 100 g of the resin modifier.
- 2. The resin modifier (C) according to claim 1, wherein the resin modifier is a compatibilizer.
- The resin modifier (C) according to claim 1, wherein the
 polyolefin (A) is a polymer satisfying the following formula
 (1);
 - 0.1 < Mn/(100 * f/M) < 6 (1)

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wherein f is an amount (g/mol) of the compound having a group which reacts with a carbodiimide group, M is a content (wt%) of residue of the compound having a group which reacts with a carbodiimide group, and Mn is a number average molecular weight of the polyolefin.

- 4. The resin modifier (C) according to claim 1, wherein the carbodiimide group-containing compound (B) is a polycarbodiimide.
- 5. The resin modifier (C) according to claim 1, wherein the polyolefin (A) having a group which reacts with a carbodiimide group is the polyolefin (A) having at least one selected from a carboxyl group, an amide group, an amino group and a hydroxyl group.

- 6. The resin modifier (C) according to claim 1, wherein the polyolefin (A) having a group which reacts with a carbodismide group is the polyolefin (A) having a maleic group.
- 7. A polar group-containing polymer composition (F)
 5 comprising from 1 to 30% by weight of the resin modifier (C)
 according to claim 1, from 99 to 20% by weight of a polar
 group-containing polymer (D), and from 0 to 80% by weight of
 an olefin polymer (E), provided that the sum of (C), (D) and
 (E) is 100% by weight.
- 10 8. The polar group-containing polymer composition (F) according to claim 7, wherein the polar group-containing polymer (D) is a polar group-containing polymer containing at least one selected from a carboxyl group, an amide group, an amino group and a hydroxyl group.
- 9. The polar group-containing polymer composition (F) according to claim 7, wherein the polar group-containing polymer (D) is at least one selected from a polyester, a polyamide, and an ethylene vinyl alcohol polymer.
- 10. The polar group-containing polymer composition (F)

 20 according to claim 7, wherein the polar group-containing polymer (D) is at least one selected from a polyethylene terephthalate, a polyethylene terephthalate for recycling, a polybutylene terephthalate, a polylactic acid, an ethylene vinyl alcohol copolymer, and an aliphatic polyamide.
- 25 11. The polar group-containing polymer composition (F)

according to claim 7, wherein the polar group-containing polymer (D) is a polylactic acid.

12. A polar group-containing polymer composition (F) comprising a resin modifier (C) obtained by reacting a polyolefin (A) having a maleic group with a carbodiimide group-containing compound (B), and having a carbodiimide group content of from 1 to 200 mmol per 100 g of the resin modifier (C), and a polar group-containing polymer (D), wherein the polar group-containing polymer composition (F) has a notched 23°C IZOD value in a thickness of 1/4 inch of 100 J/m or more. 13. The polar group-containing polymer composition (F) according to claim 7, wherein a diameter of an island phase is from 0.1 to 50 µm.

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- 14. A polar group-containing polymer composition (F)

 15 obtained by melt mixing a polyolefin (A) having a group which

 reacts with a carbodiimide group, and a carbodiimide

 group-containing compound (B), and further kneading and mixing

 the kneaded product with a polar group-containing polymer (D).
 - 15. A method for producing a resin composition comprising kneading and mixing a polyolefin (A) having a group which reacts with a carbodiimide group, and a carbodiimide group-containing compound (B), and further, kneading and mixing the kneaded product obtained and a polar group-containing polymer (D).